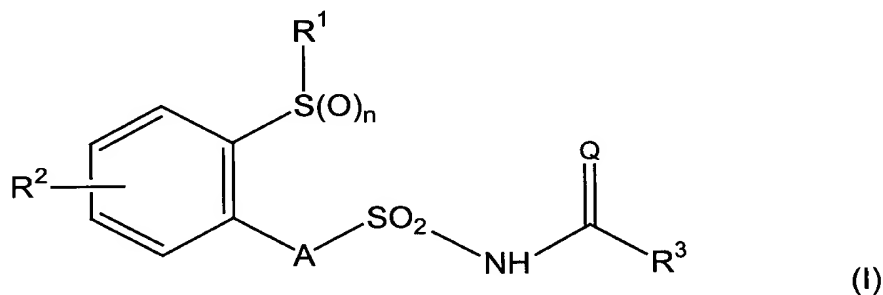


**In the claims:**

~~Please amend the claims as follows:~~

1. (Twice Amended) A sulfonylamino(thio)carbonyl of the formula (I)



wherein

$n$  represents the number 0, 1 or 2,

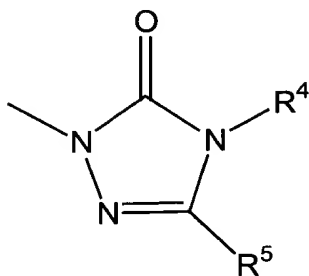
$A$  represents a single bond,

$Q$  represents oxygen or sulfur,

$R^1$  represents hydrogen, formyl or represents optionally substituted alkyl, alkoxy, alkylamino, alkoxyamino, dialkylamino, N-alkoxy-N-alkyl-amino, alkylcarbonyl, alkoxy carbonyl, alkylsulfonyl, alkenyl, alkynyl, cycloalkyl, cycloalkylcarbonyl or cycloalkylsulfonyl,

$R^2$  represents cyano, halogen or represents optionally substituted alkyl, alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl, dialkylaminosulfonyl, alkenyl, alkynyl, alkenyloxy or alkynyloxy, and

R<sup>3</sup> represents an optionally substituted heterocyclyl of the formula below, wherein



R<sup>4</sup> represents hydrogen, hydroxyl, amino or cyano, or represents C<sub>2</sub>-C<sub>10</sub>-alkylideneamino, or represents optionally fluoro-, chloro-, bromo-, cyano-, C<sub>1</sub>-C<sub>4</sub>-alkoxy-, C<sub>1</sub>-C<sub>4</sub>-alkyl-carbonyl- or C<sub>1</sub>-C<sub>4</sub>-alkoxy-carbonyl-substituted C<sub>1</sub>-C<sub>6</sub>-alkyl, or represents optionally fluoro-, chloro- and/or bromo-substituted C<sub>2</sub>-C<sub>6</sub>-alkenyl or C<sub>2</sub>-C<sub>6</sub>-alkynyl, or represents optionally fluoro-, chloro-, bromo-, cyano-, C<sub>1</sub>-C<sub>4</sub>-alkoxy- or C<sub>1</sub>-C<sub>4</sub>-alkoxy-carbonyl-substituted C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>1</sub>-C<sub>6</sub>-alkylamino or C<sub>1</sub>-C<sub>6</sub>-alkyl-carbonylamino, or represents C<sub>3</sub>-C<sub>6</sub>-alkenyloxy, or represents di-(C<sub>1</sub>-C<sub>4</sub>-alkyl)-amino, or represents optionally fluoro-, chloro-, bromo-, cyano- and/or C<sub>1</sub>-C<sub>4</sub>-alkyl-substituted C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkylamino or C<sub>3</sub>-C<sub>6</sub>-cycloalkyl-C<sub>1</sub>-C<sub>4</sub>-alkyl, or represents optionally fluoro-, chloro-, bromo-, cyano-, nitro-, C<sub>1</sub>-C<sub>4</sub>-alkyl-, trifluoromethyl- and/or C<sub>1</sub>-C<sub>4</sub>-alkoxy-substituted phenyl or phenyl-C<sub>1</sub>-C<sub>4</sub>-alkyl,

R<sup>5</sup> represents hydrogen, hydroxyl, mercapto, amino, cyano, fluoro, chloro, bromo or iodo, or represents optionally fluoro-, chloro-, bromo-, cyano-, C<sub>1</sub>-C<sub>4</sub>-alkoxy-, C<sub>1</sub>-C<sub>4</sub>-alkyl-carbonyl- or C<sub>1</sub>-C<sub>4</sub>-alkoxy-carbonyl-substituted C<sub>1</sub>-C<sub>6</sub>-alkyl, or represents optionally fluoro-, chloro- and/or bromo-substituted C<sub>2</sub>-C<sub>6</sub>-alkenyl or C<sub>2</sub>-C<sub>6</sub>-alkynyl, or represents optionally fluoro-, chloro-, cyano-, C<sub>1</sub>-C<sub>4</sub>-alkoxy- or C<sub>1</sub>-C<sub>4</sub>-alkoxy-carbonyl-substituted C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>1</sub>-C<sub>6</sub>-alkylthio, C<sub>1</sub>-C<sub>6</sub>-alkylamino or C<sub>1</sub>-C<sub>6</sub>-

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alkylcarbonylamino, or represents C<sub>3</sub>-C<sub>6</sub>-alkenyloxy, C<sub>3</sub>-C<sub>6</sub>- alkynyloxy, C<sub>3</sub>-C<sub>6</sub>-alkenylthio, C<sub>3</sub>-C<sub>6</sub>- alkynylthio, C<sub>3</sub>-C<sub>6</sub>-alkenylamino or C<sub>3</sub>-C<sub>6</sub>-alkynyllamino, or represents di-(C<sub>1</sub>-C<sub>4</sub>-alkyl)-amino, or represents optionally methyl- and/or ethyl-substituted aziridino, pyrrolidino, , or represents optionally fluoro-, chloro-, bromo-, cyano- and/or C<sub>1</sub>-C<sub>4</sub>-alkyl-substituted C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, C<sub>5</sub>-C<sub>6</sub>-cycloalkenyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyloxy, C<sub>3</sub>-C<sub>6</sub>-cycloalkylthio, C<sub>3</sub>-C<sub>6</sub>-cycloalkylamino, C<sub>3</sub>-C<sub>6</sub>-cycloalkyl- C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyl- C<sub>1</sub>-C<sub>4</sub>-alkoxy, C<sub>3</sub>-C<sub>6</sub>-cycloalkyl- C<sub>1</sub>-C<sub>4</sub>-alkylthio or C<sub>3</sub>-C<sub>6</sub>-cycloalkyl- C<sub>1</sub>-C<sub>4</sub>-alkylamino, or represents optionally fluoro-, chloro-, bromo-, cyano-, nitro-, C<sub>1</sub>-C<sub>4</sub>-alkyl-, trifluoromethyl-, C<sub>1</sub>-C<sub>4</sub>-alkoxy- and/or C<sub>1</sub>-C<sub>4</sub>-alkoxy-carbonyl-substituted phenyl, phenyl- C<sub>1</sub>-C<sub>4</sub>-alkyl, phenoxy, phenyl- C<sub>1</sub>-C<sub>4</sub>-alkoxy, phenylthio, phenyl- C<sub>1</sub>-C<sub>4</sub>-alkylthio, phenylamino or phenyl- C<sub>1</sub>-C<sub>4</sub>-alkylamino, or

R<sup>4</sup> and R<sup>5</sup> together represent optionally branched alkanediyl having 3 to 11 carbon atoms,  
and salts thereof.

2. (Twice Amended) The sulfonylamino(thio)carbonyl of claim 1, wherein

n represents the number 0, 1 or 2,

A represents a single bond,

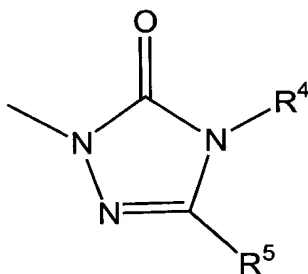
Q represents oxygen or sulfur,

R<sup>1</sup> represents hydrogen, formyl or represents optionally cyano-, fluoro-, chloro-, bromo-, phenyl- or C<sub>1</sub>-C<sub>4</sub>-alkoxy-substituted alkyl, alkoxy, alkylamino, alkoxyamino, dialkylamino, N-alkoxy-N-alkyl-amino, alkylcarbonyl, alkoxycarbonyl, alkylsulfonyl, alkenyl or alkynyl having in each case up to 6 carbon atoms, or represents optionally cyano-,

fluoro-, chloro-, bromo- or C<sub>1</sub>-C<sub>4</sub>-alkyl-substituted C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyl-carbonyl or C<sub>3</sub>-C<sub>6</sub>-cycloalkyl-sulfonyl,

R<sup>2</sup> represents cyano, fluoro, chloro or bromo or represents optionally cyano-, fluoro-, chloro-, bromo- or C<sub>1</sub>-C<sub>4</sub>-alkoxy-substituted alkyl, alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl, dialkylaminosulfonyl, alkenyl, alkynyl, alkenyloxy or alkynyloxy having in each case up to 6 carbon atoms, and

R<sup>3</sup> represents an optionally substituted heterocyclyl of the formula below,



wherein

R<sup>4</sup> represents hydrogen, hydroxyl, amino or cyano, or represents C<sub>2</sub>-C<sub>10</sub>-alkylideneamino, or represents optionally fluoro-, chloro-, bromo-, cyano-, C<sub>1</sub>-C<sub>4</sub>-alkoxy-, C<sub>1</sub>-C<sub>4</sub>-alkyl-carbonyl- or C<sub>1</sub>-C<sub>4</sub>-alkoxy-carbonyl-substituted C<sub>1</sub>-C<sub>6</sub>-alkyl, or represents optionally fluoro-, chloro- and/or bromo-substituted C<sub>2</sub>-C<sub>6</sub>-alkenyl or C<sub>2</sub>-C<sub>6</sub>-alkynyl, or represents optionally fluoro-, chloro-, bromo-, cyano-, C<sub>1</sub>-C<sub>4</sub>-alkoxy- or C<sub>1</sub>-C<sub>4</sub>-alkoxy-carbonyl-substituted C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>1</sub>-C<sub>6</sub>-alkylamino or C<sub>1</sub>-C<sub>6</sub>-alkyl-carbonylamino, or represents C<sub>3</sub>-C<sub>6</sub>-alkenyloxy, or represents di-(C<sub>1</sub>-C<sub>4</sub>-alkyl)-amino, or represents optionally fluoro-, chloro-, bromo-, cyano- and/or C<sub>1</sub>-C<sub>4</sub>-alkyl-substituted C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkylamino or C<sub>3</sub>-C<sub>6</sub>-cycloalkyl-C<sub>1</sub>-C<sub>4</sub>-alkyl, or represents optionally fluoro-, chloro-, bromo-, cyano-, nitro-, C<sub>1</sub>-C<sub>4</sub>-alkyl-,

trifluoromethyl- and/or C<sub>1</sub>-C<sub>4</sub>-alkoxy-substituted phenyl or phenyl- C<sub>1</sub>-C<sub>4</sub>-alkyl,

*al*  
*amt*

R<sup>5</sup> represents hydrogen, hydroxyl, mercapto, amino, cyano, fluoro, chloro, bromo or iodo, or represents optionally fluoro-, chloro-, bromo-, cyano-, C<sub>1</sub>-C<sub>4</sub>-alkoxy-, C<sub>1</sub>-C<sub>4</sub>-alkyl-carbonyl- or C<sub>1</sub>-C<sub>4</sub>-alkoxy-carbonyl-substituted C<sub>1</sub>-C<sub>6</sub>-alkyl, or represents optionally fluoro-, chloro- and/or bromo-substituted C<sub>2</sub>-C<sub>6</sub>-alkenyl or C<sub>2</sub>-C<sub>6</sub>-alkynyl, or represents optionally fluoro-, chloro-, cyano-, C<sub>1</sub>-C<sub>4</sub>-alkoxy- or C<sub>1</sub>-C<sub>4</sub>-alkoxy-carbonyl-substituted C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>1</sub>-C<sub>6</sub>-alkylthio, C<sub>1</sub>-C<sub>6</sub>-alkylamino or C<sub>1</sub>-C<sub>6</sub>-alkylcarbonylamino, or represents C<sub>3</sub>-C<sub>6</sub>-alkenyloxy, C<sub>3</sub>-C<sub>6</sub>-alkynyloxy, C<sub>3</sub>-C<sub>6</sub>-alkenylthio, C<sub>3</sub>-C<sub>6</sub>-alkynylthio, C<sub>3</sub>-C<sub>6</sub>-alkenylamino or C<sub>3</sub>-C<sub>6</sub>-alkynyllamino, or represents di-(C<sub>1</sub>-C<sub>4</sub>-alkyl)-amino, or represents optionally methyl- and/or ethyl-substituted aziridino, pyrrolidino, , or represents optionally fluoro-, chloro-, bromo-, cyano- and/or C<sub>1</sub>-C<sub>4</sub>-alkyl-substituted C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, C<sub>5</sub>-C<sub>6</sub>-cycloalkenyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyloxy, C<sub>3</sub>-C<sub>6</sub>-cycloalkylthio, C<sub>3</sub>-C<sub>6</sub>-cycloalkylamino, C<sub>3</sub>-C<sub>6</sub>-cycloalkyl- C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyl- C<sub>1</sub>-C<sub>4</sub>-alkoxy, C<sub>3</sub>-C<sub>6</sub>-cycloalkyl- C<sub>1</sub>-C<sub>4</sub>-alkylthio or C<sub>3</sub>-C<sub>6</sub>-cycloalkyl- C<sub>1</sub>-C<sub>4</sub>-alkylamino, or represents optionally fluoro-, chloro-, bromo-, cyano-, nitro-, C<sub>1</sub>-C<sub>4</sub>-alkyl-, trifluoromethyl-, C<sub>1</sub>-C<sub>4</sub>-alkoxy- and/or C<sub>1</sub>-C<sub>4</sub>-alkoxy-carbonyl-substituted phenyl, phenyl- C<sub>1</sub>-C<sub>4</sub>-alkyl, phenoxy, phenyl- C<sub>1</sub>-C<sub>4</sub>-alkoxy, phenylthio, phenyl- C<sub>1</sub>-C<sub>4</sub>-alkylthio, phenylamino or phenyl- C<sub>1</sub>-C<sub>4</sub>-alkylamino, or

R<sup>4</sup> and R<sup>5</sup> together represent optionally branched alkanediyl having 3 to 11 carbon atoms, and

the sodium, potassium, magnesium, calcium, ammonium, C<sub>1</sub>-C<sub>4</sub>-alkyl-ammonium, di-(C<sub>1</sub>-C<sub>4</sub>-alkyl)-ammonium, tri-(C<sub>1</sub>-C<sub>4</sub>-alkyl)-ammonium, tetra-(C<sub>1</sub>-C<sub>4</sub>-alkyl)-ammonium, tri-(C<sub>1</sub>-C<sub>4</sub>-alkyl)-sulfonium, C<sub>5</sub>- or C<sub>6</sub>-cycloalkyl-ammonium and di-(C<sub>1</sub>-C<sub>2</sub>-alkyl)-benzyl-ammonium salts thereof.

3. (Twice Amended) The sulfonylamino(thio)carbonyl of claim 1, wherein

n represents the number 0, 1 or 2,

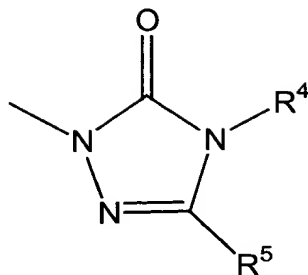
A represents a single bond,

Q represents oxygen or sulfur,

R<sup>1</sup> represents hydrogen, formyl, or represents optionally fluoro-, chloro-, bromo-, methoxy- or ethoxy-substituted methyl, ethyl, n- or i-propyl, n-, i- or s-butyl, methoxy, ethoxy, n- or i-propoxy, n-, i-, s- or t-butoxy, methylamino, ethylamino, n- or i-propylamino, n-, i-, s- or t-butylamino, methoxyamino, ethoxyamino, n- or i-propoxyamino, n-, i-, s- or t-butoxyamino, dimethylamino, diethylamino, N-methoxy-N-methylamino, acetyl, propionyl, butyryl, methoxycarbonyl, ethoxycarbonyl, n- or i-propoxycarbonyl, methylsulfonyl, ethylsulfonyl, n- or i-propylsulfonyl, n-, i-, s- or t-butylsulfonyl, propenyl, butenyl, propynyl or butynyl, or represents optionally fluoro-, chloro- or methyl-substituted cyclopropyl, cyclopropylcarbonyl or cyclopropylsulfonyl,

R<sup>2</sup> represents cyano, fluoro, chloro or bromo, or represents optionally fluoro-, chloro-, methoxy- or ethoxy-substituted methyl, ethyl, n- or i-propyl, n-, i- or s-butyl, methoxy, ethoxy, n- or i-propoxy, n-, i- or s-butoxy, methylthio, ethylthio, n- or i-propylthio, n-, i-, s- or t-butylthio, methylsulfinyl, ethylsulfinyl, methylsulfonyl, ethylsulfonyl, dimethylaminosulfonyl or diethylaminosulfonyl, or represents propenyl, butenyl, propynyl, butynyl, propenyloxy, butenyloxy, propynyloxy or butynyloxy, and

R<sup>3</sup> represents an optionally substituted heterocyclyl of the formula below:



wherein

*Cl*  
*ant*

$R^4$  represents hydrogen, hydroxyl or amino, or represents  $C_3$ - $C_8$ -alkylideneamino, or represents optionally fluoro-, chloro-, cyano-, methoxy- or ethoxy-substituted methyl, ethyl, n- or i-propyl, n-, i-, s- or t-butyl, or represents optionally fluoro-, chloro- or bromo-substituted propenyl, butenyl, propynyl or butynyl, or represents optionally fluoro-, chloro-, cyano-, methoxy- or ethoxy-substituted methoxy, ethoxy, n- or i-propoxy, n-, i-, s- or t-butoxy, methylamino, ethylamino, n- or i-propylamino, n-, i-, s- or t-butylamino, or represents propenyloxy or butenyloxy, or represents dimethylamino or diethylamino, or represents optionally fluoro-, chloro-, methyl- and/or ethyl-substituted cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cyclopropylamino, cyclobutylamino, cyclopentylamino, cyclohexylamino, cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl or cyclohexylmethyl, or represents optionally fluoro-, chloro-, methyl-, trifluoromethyl- and/or methoxy-substituted phenyl or benzyl,

$R^5$  represents hydrogen, hydroxyl, mercapto, amino, fluoro, chloro or bromo, or represents optionally fluoro-, chloro-, cyano-, methoxy- or ethoxy-substituted methyl, ethyl, n- or i-propyl, n-, i-, s- or t-butyl, or represents optionally fluoro-, chloro- or bromo-substituted ethenyl, propenyl, butenyl, propynyl or butynyl, or represents optionally fluoro-, chloro-, cyano-, methoxy- or ethoxy-substituted methoxy, ethoxy, n- or i-propoxy, n-, i-, s- or t-butoxy, methylthio, ethylthio, n- or i-propylthio, n-, i-, s- or t-butylthio, methylamino, ethylamino, n- or i-propylamino, n-,

Cl  
ant

i-, s- or t-butylamino, or represents propenyloxy, butenyloxy, propynyloxy, butynyloxy, propenylthio, propadienylthio, butenylthio, propynylthio, butynylthio, propenylamino, butenylamino, propynylamino or butynyl amino, or represents dimethylamino, diethylamino or dipropylamino, or represents optionally fluoro-, chloro-, methyl- and/or ethyl-substituted cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cyclopentenyl, cyclohexenyl, cyclopropyloxy, cyclobutyloxy, cyclopentyloxy, cyclohexyloxy, cyclopropylthio, cyclobutylthio, cyclopentylthio, cyclohexylthio, cyclopropylamino, cyclobutylamino, cyclopentylamino, cyclohexylamino, cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl, cyclohexylmethyl, cyclopropylmethoxy, cyclobutylmethoxy, cyclopentylmethoxy, cyclohexylmethoxy, cyclopropylmethylthio, cyclobutylmethylthio, cyclopentylmethylthio, cyclohexylmethylthio, cyclopropylmethylamino, cyclobutylmethylamino, cyclopentylmethylamino or cyclohexylmethylamino, or represents optionally fluoro-, chloro-, methyl-, trifluoromethyl-, methoxy- and/or methoxycarbonylsubstituted phenyl, benzyl, phenoxy, benzyloxy, phenylthio, benzylthio, phenylamino or benzylamino, or

$R^4$  and  $R^5$  together represent optionally branched alkanediyl having 3 to 11 carbon atoms.